

User's Manual





AVTrac™ Track Extension Kit

Floor-mount Raceway System

Precautions

Safety Instructions • English

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This symbol is intended to alert the user of important operating and maintenance (servicing) instructions in the literature provided with the equipment.
- 


This symbol is intended to alert the user of the presence of uninsulated dangerous voltage within the product's enclosure that may present a risk of electric shock.

Caution

- Read Instructions** • Read and understand all safety and operating instructions before using the equipment.
- Retain Instructions** • The safety instructions should be kept for future reference.
- Follow Warnings** • Follow all warnings and instructions marked on the equipment or in the user information.
- Avoid Attachments** • Do not use tools or attachments that are not recommended by the equipment manufacturer because they may be hazardous.

Consignes de Sécurité • Français

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Ce symbole sert à avertir l'utilisateur que la documentation fournie avec le matériel contient des instructions importantes concernant l'exploitation et la maintenance (réparation).
- 


Ce symbole sert à avertir l'utilisateur de la présence dans le boîtier de l'appareil de tensions dangereuses non isolées posant des risques d'électrocution.

Attention

- Lire les instructions** • Prendre connaissance de toutes les consignes de sécurité et d'exploitation avant d'utiliser le matériel.
- Conservser les instructions** • Ranger les consignes de sécurité afin de pouvoir les consulter à l'avenir.
- Respecter les avertissements** • Observer tous les avertissements et consignes marqués sur le matériel ou présentés dans la documentation utilisateur.
- Eviter les pièces de fixation** • Ne pas utiliser de pièces de fixation ni d'outils non recommandés par le fabricant du matériel car cela risquerait de poser certains dangers.

Sicherheitsanleitungen • Deutsch

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Dieses Symbol soll dem Benutzer in der im Lieferumfang enthaltenen Dokumentation besonders wichtige Hinweise zur Bedienung und Wartung (Instandhaltung) geben.
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Dieses Symbol soll den Benutzer darauf aufmerksam machen, daß im Inneren des Gehäuses dieses Produktes gefährliche Spannungen, die nicht isoliert sind und die einen elektrischen Schock verursachen können, herrschen.

Achtung

- Lesen der Anleitungen** • Bevor Sie das Gerät zum ersten Mal verwenden, sollten Sie alle Sicherheits- und Bedienungsanleitungen genau durchlesen und verstehen.
- Aufbewahren der Anleitungen** • Die Hinweise zur elektrischen Sicherheit des Produktes sollten Sie aufbewahren, damit Sie im Bedarfsfall darauf zurückgreifen können.
- Befolgen der Warnhinweise** • Befolgen Sie alle Warnhinweise und Anleitungen auf dem Gerät oder in der Benutzerdokumentation.
- Keine Zusatzgeräte** • Verwenden Sie keine Werkzeuge oder Zusatzgeräte, die nicht ausdrücklich vom Hersteller empfohlen wurden, da diese eine Gefahrenquelle darstellen können.

Instrucciones de seguridad • Español

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Este símbolo se utiliza para advertir al usuario sobre instrucciones importantes de operación y mantenimiento (o cambio de partes) que se desean destacar en el contenido de la documentación suministrada con los equipos.
- 


Este símbolo se utiliza para advertir al usuario sobre la presencia de elementos con voltaje peligroso sin protección aislante, que puedan encontrarse dentro de la caja o alojamiento del producto, y que puedan representar riesgo de electrocución.

Precaucion

- Leer las instrucciones** • Leer y analizar todas las instrucciones de operación y seguridad, antes de usar el equipo.
- Conservar las instrucciones** • Conservar las instrucciones de seguridad para futura consulta.
- Obedecer las advertencias** • Todas las advertencias e instrucciones marcadas en el equipo o en la documentación del usuario, deben ser obedecidas.
- Evitar el uso de accesorios** • No usar herramientas o accesorios que no sean específicamente recomendados por el fabricante, ya que podrían implicar riesgos.

安全须知 • 中文

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这个符号提示用户该设备用户手册中有重要的操作和维护说明。
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这个符号警告用户该设备机壳内有暴露的危险电压，有触电危险。

注意

- 阅读说明书** • 用户使用该设备前必须阅读并理解所有安全和使用说明。
- 保存说明书** • 用户应保存安全说明书以备将来使用。
- 遵守警告** • 用户应遵守产品和用户指南上的所有安全和操作说明。
- 避免追加** • 不要使用该产品厂商没有推荐的工具或追加设备，以避免危险。

Warning

- Power sources** • This equipment should be operated only from the power source indicated on the product. This equipment is intended to be used with a main power system with a grounded (neutral) conductor. The third (grounding) pin is a safety feature, do not attempt to bypass or disable it.
- Power disconnection** • To remove power from the equipment safely, remove all power cords from the rear of the equipment, or the desktop power module (if detachable), or from the power source receptacle (wall plug).
- Power cord protection** • Power cords should be routed so that they are not likely to be stepped on or pinched by items placed upon or against them.
- Servicing** • Refer all servicing to qualified service personnel. There are no user-serviceable parts inside. To prevent the risk of shock, do not attempt to service this equipment yourself because opening or removing covers may expose you to dangerous voltage or other hazards.
- Slots and openings** • If the equipment has slots or holes in the enclosure, these are provided to prevent overheating of sensitive components inside. These openings must never be blocked by other objects.
- Lithium battery** • There is a danger of explosion if battery is incorrectly replaced. Replace it only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.

Avertissement

- Alimentations** • Ne faire fonctionner ce matériel qu'avec la source d'alimentation indiquée sur l'appareil. Ce matériel doit être utilisé avec une alimentation principale comportant un fil de terre (neutre). Le troisième contact (de mise à la terre) constitue un dispositif de sécurité : n'essayez pas de la contourner ni de la désactiver.
- Déconnexion de l'alimentation** • Pour mettre le matériel hors tension sans danger, déconnectez tous les cordons d'alimentation de l'arrière de l'appareil ou du module d'alimentation de bureau (s'il est amovible) ou encore de la prise secteur.
- Protection du cordon d'alimentation** • Acheminer les cordons d'alimentation de manière à ce que personne ne risque de marcher dessus et à ce qu'ils ne soient pas écrasés ou pincés par des objets.
- Réparation-maintenance** • Faire exécuter toutes les interventions de réparation-maintenance par un technicien qualifié. Aucun des éléments internes ne peut être réparé par l'utilisateur. Afin d'éviter tout danger d'électrocution, l'utilisateur ne doit pas essayer de procéder lui-même à ces opérations car l'ouverture ou le retrait des couvercles risquent de l'exposer à de hautes tensions et autres dangers.
- Fentes et orifices** • Si le boîtier de l'appareil comporte des fentes ou des orifices, ceux-ci servent à empêcher les composants internes sensibles de surchauffer. Ces ouvertures ne doivent jamais être bloquées par des objets.
- Lithium Batterie** • Il a danger d'explosion s'il y a remplacement incorrect de la batterie. Remplacer uniquement avec une batterie du même type ou d'un ype équivalent recommandé par le constructeur. Mettre au reut les batteries usagées conformément aux instructions du fabricant.

Vorsicht

- Stromquellen** • Dieses Gerät sollte nur über die auf dem Produkt angegebene Stromquelle betrieben werden. Dieses Gerät wurde für eine Verwendung mit einer Hauptstromleitung mit einem geerdeten (neutralen) Leiter konzipiert. Der dritte Kontakt ist für einen Erdschluß, und stellt eine Sicherheitsfunktion dar. Diese sollte nicht umgangen oder außer Betrieb gesetzt werden.
- Stromunterbrechung** • Um das Gerät auf sichere Weise vom Netz zu trennen, sollten Sie alle Netzkabel aus der Rückseite des Gerätes, aus der externen Stromversorgung (falls dies möglich ist) oder aus der Wandsteckdose ziehen.
- Schutz des Netzkabels** • Netzkabel sollten stets so verlegt werden, daß sie nicht im Weg liegen und niemand darauf treten kann oder Objekte darauf- oder unmittelbar dagegengestellt werden können.
- Wartung** • Alle Wartungsmaßnahmen sollten nur von qualifiziertem Servicepersonal durchgeführt werden. Die internen Komponenten des Gerätes sind wartungsfrei. Zur Vermeidung eines elektrischen Schocks versuchen Sie in keinem Fall, dieses Gerät selbst öffnen, da beim Entfernen der Abdeckungen die Gefahr eines elektrischen Schlags und/oder andere Gefahren bestehen.
- Schlitze und Öffnungen** • Wenn das Gerät Schlitze oder Löcher im Gehäuse aufweist, dienen diese zur Vermeidung einer Überhitzung der empfindlichen Teile im Inneren. Diese Öffnungen dürfen niemals von anderen Objekten blockiert werden.
- Litium-Batterie** • Explosionsgefahr, falls die Batterie nicht richtig ersetzt wird. Ersetzen Sie verbrauchte Batterien nur durch den gleichen oder einen vergleichbaren Batterietyp, der auch vom Hersteller empfohlen wird. Entsorgen Sie verbrauchte Batterien bitte gemäß den Herstelleranweisungen.

Advertencia

- Alimentación eléctrica** • Este equipo debe conectarse únicamente a la fuente/tipo de alimentación eléctrica indicada en el mismo. La alimentación eléctrica de este equipo debe provenir de un sistema de distribución general con conductor neutro a tierra. La tercera pata (puesta a tierra) es una medida de seguridad, no puentearia ni eliminaria.
- Desconexión de alimentación eléctrica** • Para desconectar con seguridad la acometida de alimentación eléctrica al equipo, desenchufar todos los cables de alimentación en el panel trasero del equipo, o desenchufar el módulo de alimentación (si fuera independiente), o desenchufar el cable del receptáculo de la pared.
- Protección del cables de alimentación** • Los cables de alimentación eléctrica se deben instalar en lugares donde no sean pisados ni apretados por objetos que se puedan apoyar sobre ellos.
- Reparaciones/mantenimiento** • Solicitar siempre los servicios técnicos de personal calificado. En el interior no hay partes a las que el usuario deba acceder. Para evitar riesgo de electrocución, no intentar personalmente la reparación/mantenimiento de este equipo, ya que al abrir o extraer las tapas puede quedar expuesto a voltajes peligrosos u otros riesgos.
- Ranuras y aberturas** • Si el equipo posee ranuras o orificios en su caja/alojamiento, es para evitar el sobrecalentamiento de componentes internos sensibles. Estas aberturas nunca se deben obstruir con otros objetos.
- Batería de litio** • Existe riesgo de explosión si esta batería se coloca en la posición incorrecta. Cambiar esta batería únicamente con el mismo tipo (o su equivalente) recomendado por el fabricante. Desachar las baterías usadas siguiendo las instrucciones del fabricante.

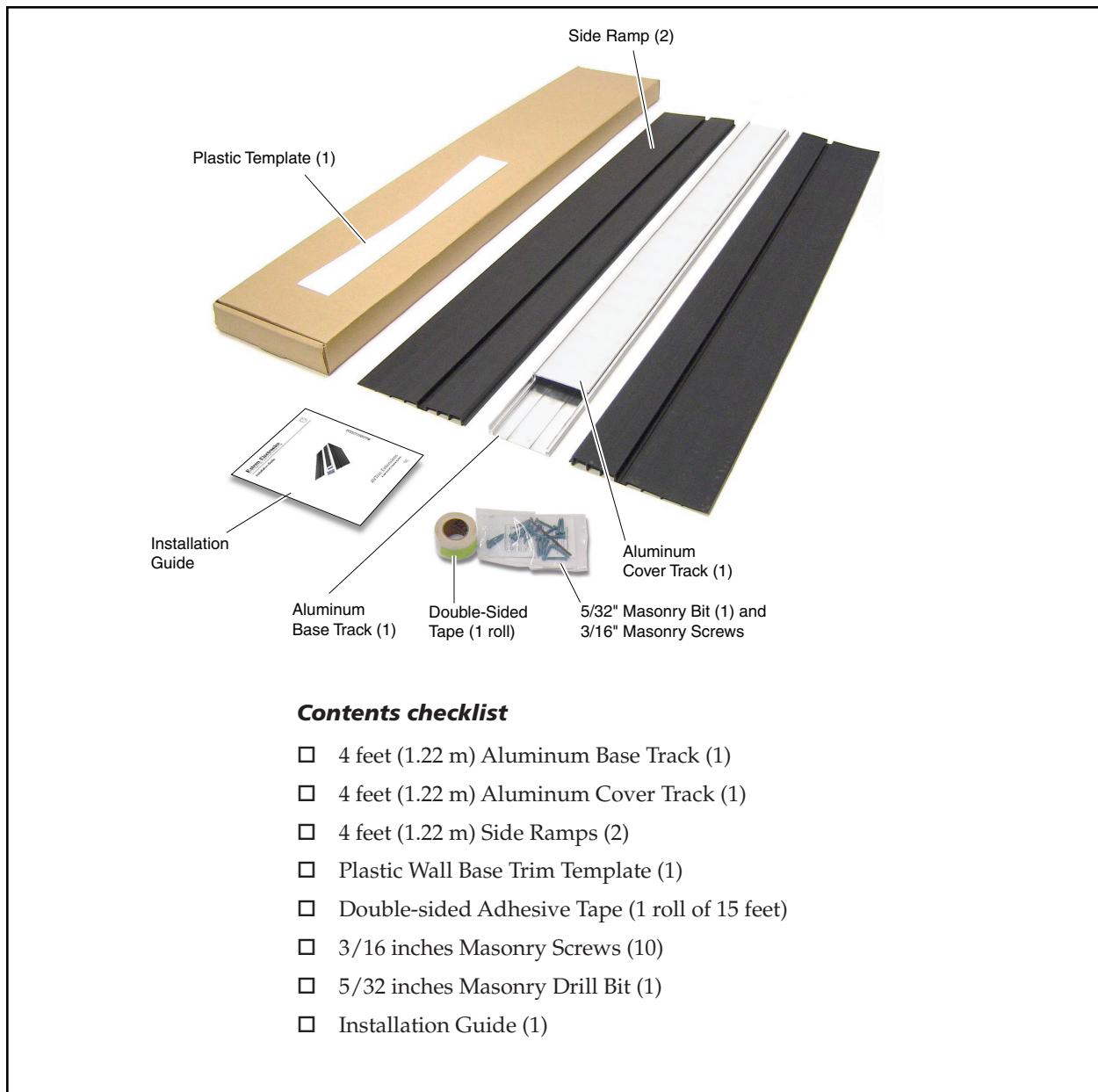
警告

- 电源** • 该设备只能使用产品上标明的电源。设备必须使用有地线的供电系统供电。 第三条线（地线）是安全设施，不能不用或跳过。
- 拔掉电源** • 为安全地从设备拔掉电源，请拔掉所有设备后或桌面电源的电源线，或任何接到市电系统的电源线。
- 电源线保护** • 妥善布线， 避免被踩踏，或重物挤压。
- 维护** • 所有维修必须由认证的维修人员进行。设备内部没有用户可以更换的零件。为避免出现触电危险不要自己试图打开设备盖子维修该设备。
- 通风孔** • 有些设备机壳上有通风槽或孔，它们是用来防止机内敏感元件过热。 不要用什么东西挡住通风孔。
- 锂电池** • 不正确的更换电池会有爆炸的危险。必须使用与厂家推荐的相同或相近型号的电池。按照生产厂的建议处理废弃电池。

Kit Contents

The AVTrac™ Extension kit is available as a 4 feet (1.22 meter) extension for the AVTrac system. An optional rubber strip inlay kit (part # 70-670-01) is available.

Check contents of each box to ensure all items are present.



NOTE If you are using the AVTrac extensions with the complete AVTrac system, please consult the AVTrac Manual (#68-1405-01) or an Extron Representative for instructions and advice about compatibility.

Before Getting Started

Tools and Equipment Required for Installation

Almost everything you need to install your AVTrac kit has been included. You will need some basic tools and materials depending on the facility and requirements.

NOTE *All structural steps and electrical installation should be performed by qualified personnel in accordance with local and national building codes and electrical codes.*

Extron recommends the following equipment (not provided) to ensure the AVTrac is properly installed:

Tools:

- ☐ Miter saw with blade for cutting metal
- ☐ Hand saw for cutting drywall
- ☐ Utility knives (box cutters)
- ☐ Power drill
- ☐ 1/4 inches bit for drilling metal
- ☐ Tin snips (metal shears)
- ☐ Tools for terminating cables (if required)
- ☐ Phillips head screw driver
- ☐ Hex nut driver (1/4 inches and 5/16 inches)
- ☐ Metal straightedge (for cutting carpet)

Equipment/Other:

- ☐ Tape measure
- ☐ Marker pen
- ☐ Level
- ☐ Fish tape (used for pulling cables through cavity walls)
- ☐ Cable ties
- ☐ Vacuum cleaner
- ☐ Carpet glue
- ☐ Safety goggles

Installation

Step 1: Track Mounting

At this point you must already have checked the contents of the kit and gathered the tools that you will need for installation.

Prior to installation, check to ensure that the Extension Kit matches the AVTrac product to make a proper junction.

WARNING

Existing AVTrac rubber inlay models may be mismatched with the cover track of the extension kit. This mismatch may present a tripping hazard. Consult an Extron representative for advice.

For further information about using the AVTrac extensions with the complete AVTrac system, please consult the AVTrac Installation Guide (part #68-1405-01) or the Extron Web site (www.extron.com) for instructions about installing the electrical power and audio/video modules.

- 1-1** Whenever possible, completely remove the carpet from where the track will be laid. If this is not possible, cut the carpet.

After removing the carpet, make sure that the concrete base is level and structurally sound. Prior to installation, leveling and topping may be needed.

Determine whether the installation will be in new construction, under preexisting carpet tiles, or under preexisting carpet rolls and follow the appropriate instructions.

New construction

When AVTrac is being placed in a new building, the carpet should not be laid until the track has been installed.

Prelaid Carpet

For installation of AVTrac under prelaidd carpet, cut and/or peel back the carpet to expose the concrete where the track and side ramps will be positioned (as shown in figure to the right).



Remove carpet tiles to expose concrete.

NOTE

AVTrac is not designed to be installed under vinyl composite tile (VCT).

Installation

Step 1: Track Mounting, cont'd.

- 1-2** If the AVTrac will abut the wall, remove the baseboard from the bottom of the wall and mark the position of the AVTrac.



Mark wall.

- 1-3** Using a drill, box cutters, or a saw, cut a hole at the base of the wall 4 inches W x 1½ inches H (10.2 cm x 3.8 cm).

If there is a metal base stud, use a hand saw or tin snips to cut it at both edges of the hole and bend it back into the hole so that it lies flat on the floor. Use a file to remove any jagged edges that might damage cables.

The hole will eventually be covered by the baseboard, so it does not have to be perfect.



Cut cable access hole in wall.

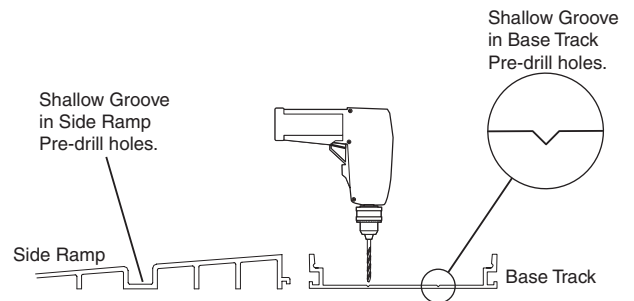
- 1-4** If necessary, measure and cut the track pieces to the desired length. The cut must be clean, as it must abut the existing AVTrac system or the wall.



Cut aluminum base track.

- 1-5 Pre-drill mounting holes in the shallow grooves of the base track and side ramps using a 1/4 inches bit for drilling metal (not supplied.)

NOTE Mounting holes must be a maximum of 3 feet (0.91 m) apart, and one must be within 6 inches (0.15 m) of each end of the track.



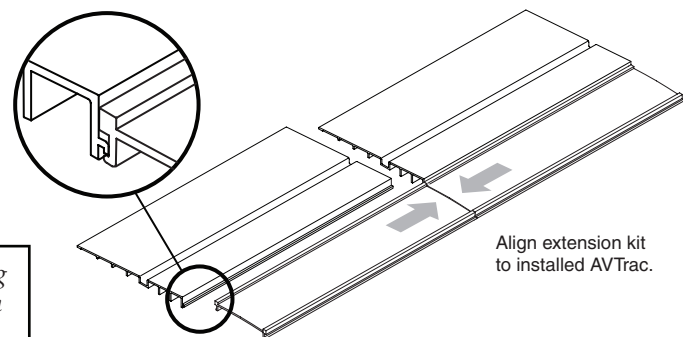
Pre-drill holes in track and ramps.

- 1-6 If the extension kit is to be used with an existing AVTrac installation, align the base track so that it abuts the end of the installed AVTrac.

Mate the tabs in the side ramps with the grooves in the base track.

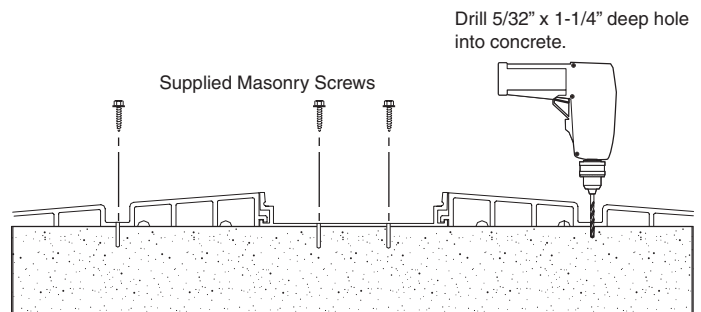
WARNING Before using the Extension kit with an existing AVTrac rubber inlay model, consult an Extron representative for advice about compatibility.

Mate side ramp to base track.



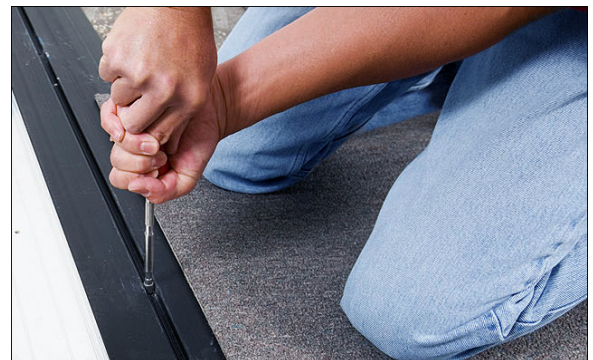
Align base track and mate side ramps.

- 1-7 Using the provided masonry bit, drill 1-1/4 inches deep pilot holes into the concrete through the pre-drilled mounting holes in the track and ramps.



Drill into concrete and screw down track.

- 1-8 With the provided masonry screws, secure the track and ramps to the floor.



Screw side ramps to floor.

Installation

Step 2: Finishing Up

At this point, the track must already have been secured to the floor.

To complete the installation of the AVTrac, follow these instructions:

- 2-1** Lay the cables and power cords flat against the base track. If necessary, feed excess cable back into the wall.

Snap the cover track onto the base track.



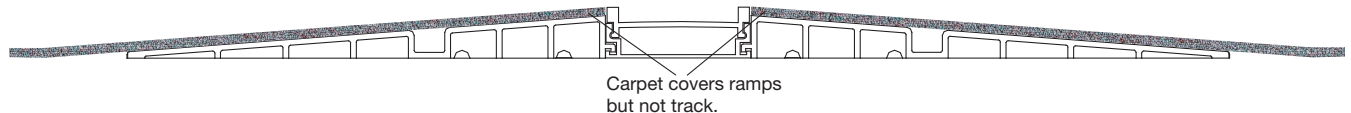
Lay cables flat and fit cover track.

- 2-2** Before cutting and gluing the carpet, remove all dust and debris with a vacuum cleaner.

Cut the carpet or carpet tiles so that they run up to but do not cover the aluminum track (see the diagram below).



Cut carpet.

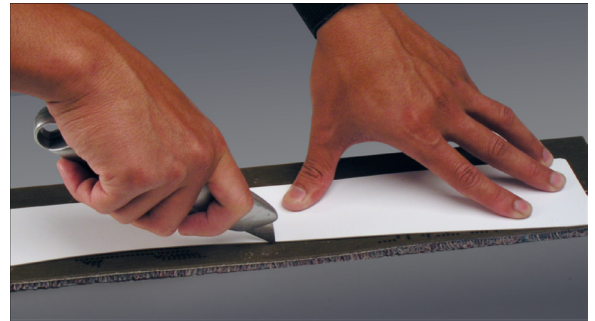


- 2-3** Glue or tape the carpet to the floor and side ramps.



Refit carpet.

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- 2-4** If the extension kit abuts the wall, use the provided template to trim the wall base board so that it fits snugly around the track.



Use template to cut base board.

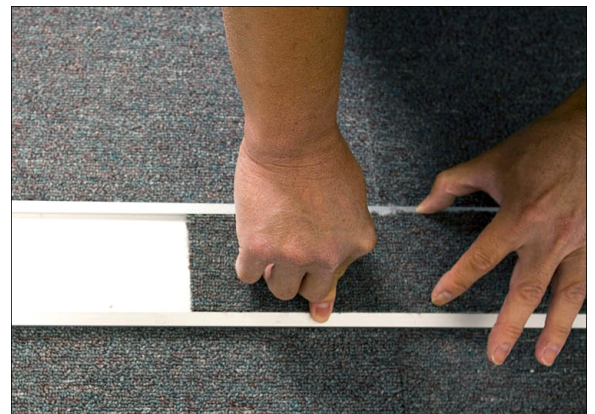
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- 2-5** Attach the base board to the wall.



Reattach base board to wall.

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- 2-6** To insert a carpet inlay, cut a strip of the finished carpeting and glue or tape it to the cover track raceway.

For an alternative rubber finish, use the optional rubber strip inlay kit (part # 70-670-01).



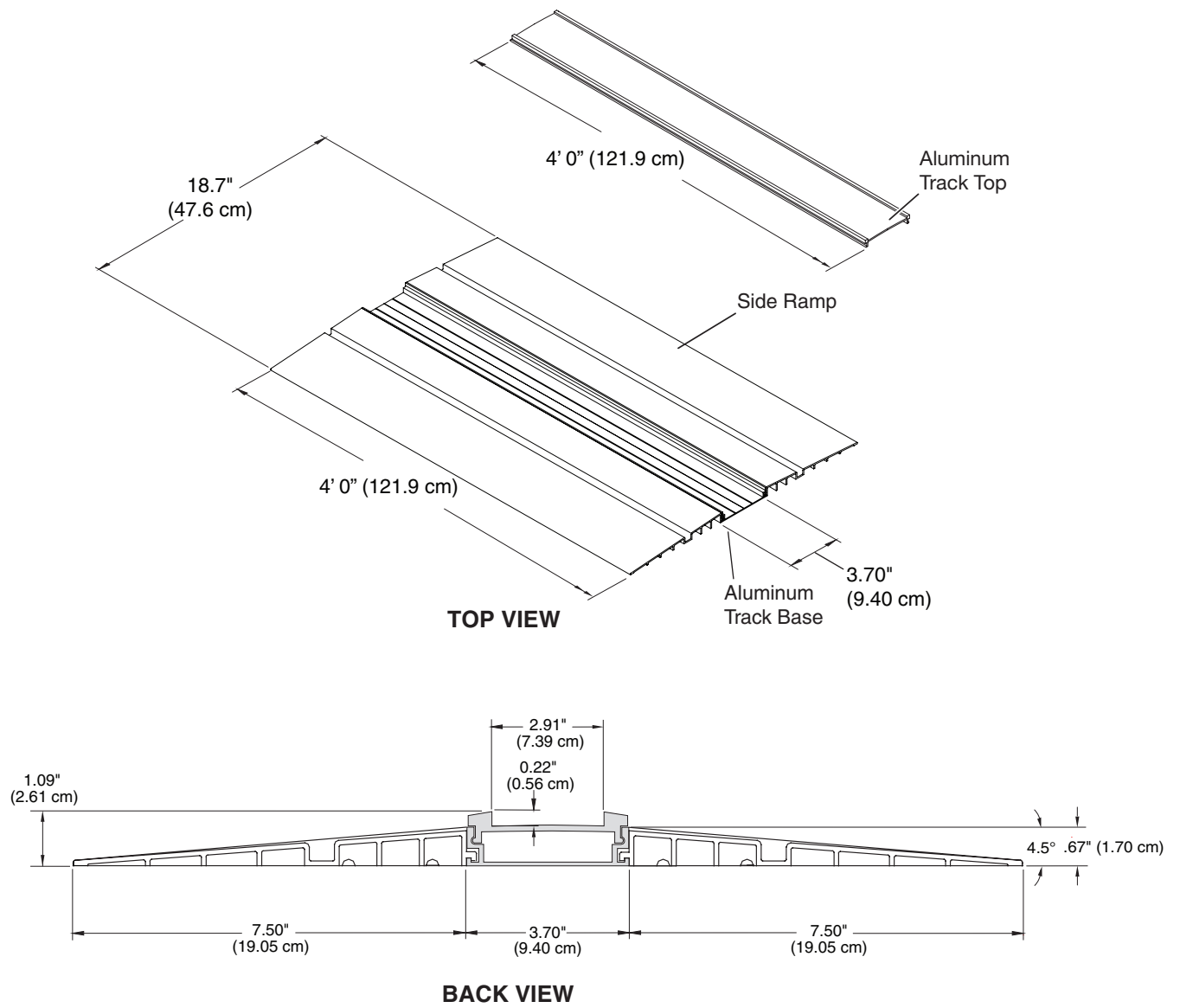
Attach carpet tile to track raceway.

Specifications

General

Mounting options.....	Mountable on base flooring and beneath the finished carpet
Enclosure type	Metal track base and top, plastic ramps
Enclosure dimensions: see diagrams opposite	
Track system	
Side ramps.....	0.67 inches (1.7 cm) H x 7.50 inches (19.0 cm) W on either side of track x 48 inches (121.9 cm) L, approximately 4.5° slope
Track base and top	0.95 inches (2.4 cm) H x 3.7 inches (9.4 cm) W x 48 inches (121.9 cm) L
Product weight	8.9 lbs (4.0 kg)
Shipping weight.....	11 lbs (5 kg)
Vibration.....	ISTA 1A in carton (International Safe Transit Association)
Compliances.....	Title III, Regulation 28 CFR Part 36: ADA Standards for Accessible Design; Section 4.8: Ramps
Warranty	3 years parts and labor

NOTE *Specifications are subject to change without notice.*



Optional Accessories

AVTrac Floor System

Accessory	Part Number
AVTrac 480C Carpet Inlay, No AC	42-121-00
AVTrac 480R Rubber Strip, No AC	42-122-00
AVTrac 480C AC Carpet Inlay, w / AC US, Prewired Conduit	42-121-24A
AVTrac 480R AC Rubber Strip, w / AC US, Prewired Conduit	42-122-24A
AVTrac 480C AC Carpet Inlay, w / AC EU, Isolated Cable	42-121-24D
AVTrac 480R AC Rubber Strip, w / AC EU, Isolated Cable	42-122-24D
AVTrac 480C AC Carpet Inlay, w / AC FR, Isolated Cable	42-121-24E
AVTrac 480R AC Rubber Strip, w / AC FR, Isolated Cable	42-122-24E
AVTrac 480C AC Carpet Inlay, w / AC AUS, Conduit Only	42-121-24F
AVTrac 480R AC Rubber Strip, w / AC AUS, Conduit Only	42-122-24F
AVTrac 480C UNIV ISO Carpet Inlay, w / AC Univ, Isolated Cable	42-121-24J
AVTrac 480R UNIV ISO Rubber Strip, w / AC Univ, Isolated Cable	42-122-24J
AVTrac 480C UNIV CO Carpet Inlay, w / AC Univ, Conduit Only	42-121-00J
AVTrac 480R UNIV CO Rubber Strip, w / AC Univ, Conduit Only	42-122-00J
AVTrac Rubber Inlay kit	70-670-01
AVTrac Rough-In Adapter	70-781-01
AVTrac Wall Trim Plate	70-782-01
AVTrac Raceway Transition (Wiremold)	70-783-01
AVTrac Raceway Transition (Euro Channel)	70-783-11

To ensure a precise join when this kit is used with another AVTrac product, the two products must be compatible.

WARNING

Before using the Extension kit with an older AVTrac rubber inlay model, consult an Extron representative.

All trademarks mentioned in this manual are the properties of their respective owners.

Extron Warranty

Extron Electronics warrants this product against defects in materials and workmanship for a period of three years from the date of purchase. In the event of malfunction during the warranty period attributable directly to faulty workmanship and/or materials, Extron Electronics will, at its option, repair or replace said products or components, to whatever extent it shall deem necessary to restore said product to proper operating condition, provided that it is returned within the warranty period, with proof of purchase and description of malfunction to:

**USA, Canada, South America,
and Central America:**

Extron Electronics
1001 East Ball Road
Anaheim, CA 92805
U.S.A.

Japan: Extron Electronics, Japan
Kyodo Building, 16 Ichibancho
Chiyoda-ku, Tokyo 102-0082
Japan

Europe, Africa, and the Middle East:

Extron Europe
Hanzeboulevard 10
3825 PH Amersfoort
The Netherlands

China:

Extron China
686 Ronghua Road
Songjiang District
Shanghai 201611
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Asia:

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Singapore 368363
Singapore

Middle East:

Extron Middle East
Dubai Airport Free Zone
F12, PO Box 293666
United Arab Emirates, Dubai

This Limited Warranty does not apply if the fault has been caused by misuse, improper handling care, electrical or mechanical abuse, abnormal operating conditions or non-Extron authorized modification to the product.

If it has been determined that the product is defective, please call Extron and ask for an Applications Engineer at (714) 491-1500 (USA), 31.33.453.4040 (Europe), 65.383.4400 (Asia), or 81.3.3511.7655 (Japan) to receive an RA# (Return Authorization number). This will begin the repair process as quickly as possible.

Units must be returned insured, with shipping charges prepaid. If not insured, you assume the risk of loss or damage during shipment. Returned units must include the serial number and a description of the problem, as well as the name of the person to contact in case there are any questions.

Extron Electronics makes no further warranties either expressed or implied with respect to the product and its quality, performance, merchantability, or fitness for any particular use. In no event will Extron Electronics be liable for direct, indirect, or consequential damages resulting from any defect in this product even if Extron Electronics has been advised of such damage.

Please note that laws vary from state to state and country to country, and that some provisions of this warranty may not apply to you.

Quick Installation Checklist

Installation of AVTrac Extensions can be divided into three main sections:

Before Getting Started

- ☐ Decide where the track will be installed and, if necessary, prepare the site.
- ☐ Open the box containing the AVTrac kit and identify all the items provided (page 1).
- ☐ Gather any additional tools needed for installation (page 2).

Step 1 — Installing Track

- ☐ Remove existing carpeting (page 3).
- ☐ If necessary, cut a hole in the drywall for the cables (page 4).
- ☐ Measure and cut the track pieces (page 4).
- ☐ Secure the base track to the floor (page 5).

Step 2 — Finishing Up

- ☐ Snap on the cover track (page 6).
- ☐ Cut the carpet and glue it to side ramps (page 6).
- ☐ Trim the wall base boards and apply the finish to the cover track raceway (page 7).

NOTE *If you are using the AVTrac Extensions with the complete AVTrac system, please consult the AVTrac Installation Guide (#68-1405-01) or the Extron Web site (www.extron.com) for instructions about installing the electrical power and audio-visual modules.*

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Extron **Japan**
+81.3.3511.7655
+81.3.3511.7656 FAX

Extron **China**
+400.883.1568
Inside China Only
+86.21.3760.1568
+86.21.3760.1566 FAX

Extron **Middle East**
+971.4.2991800
+971.4.2991880 FAX